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pKK223-3
TTTCACACAGGAAACAGAAATTCCCGGGGATCCGTCGACCTGCAGCCCAAGCTT

pKK223-3N
TTTCACATTAAGGAGGAAAAaccatggGATCCG-----AAGCTT

SEQ ID NO.: 286

FIG. 2A

Cloning Step 1

I N A N P N A N P N A N P N A N P N A N P N E L
 A ATT AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT AAT CCG AAC GCT
 _ TTG CGA TTA GGC TTG CGA TTA GGC TTG CGA TTA GGC TTG CGA TTA GGC C

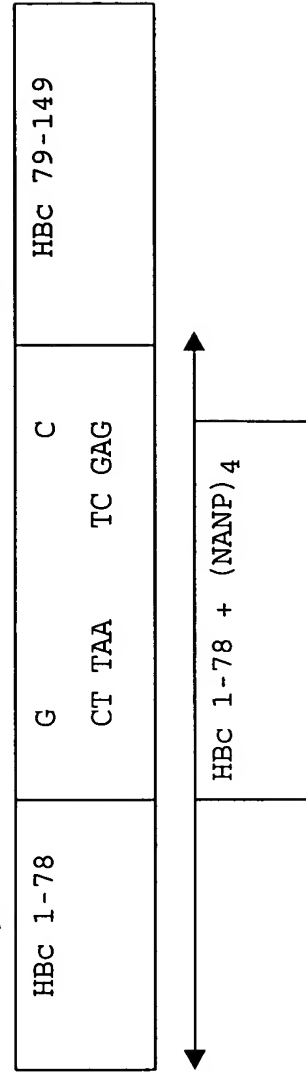


FIG. 2B

Cloning Step 2

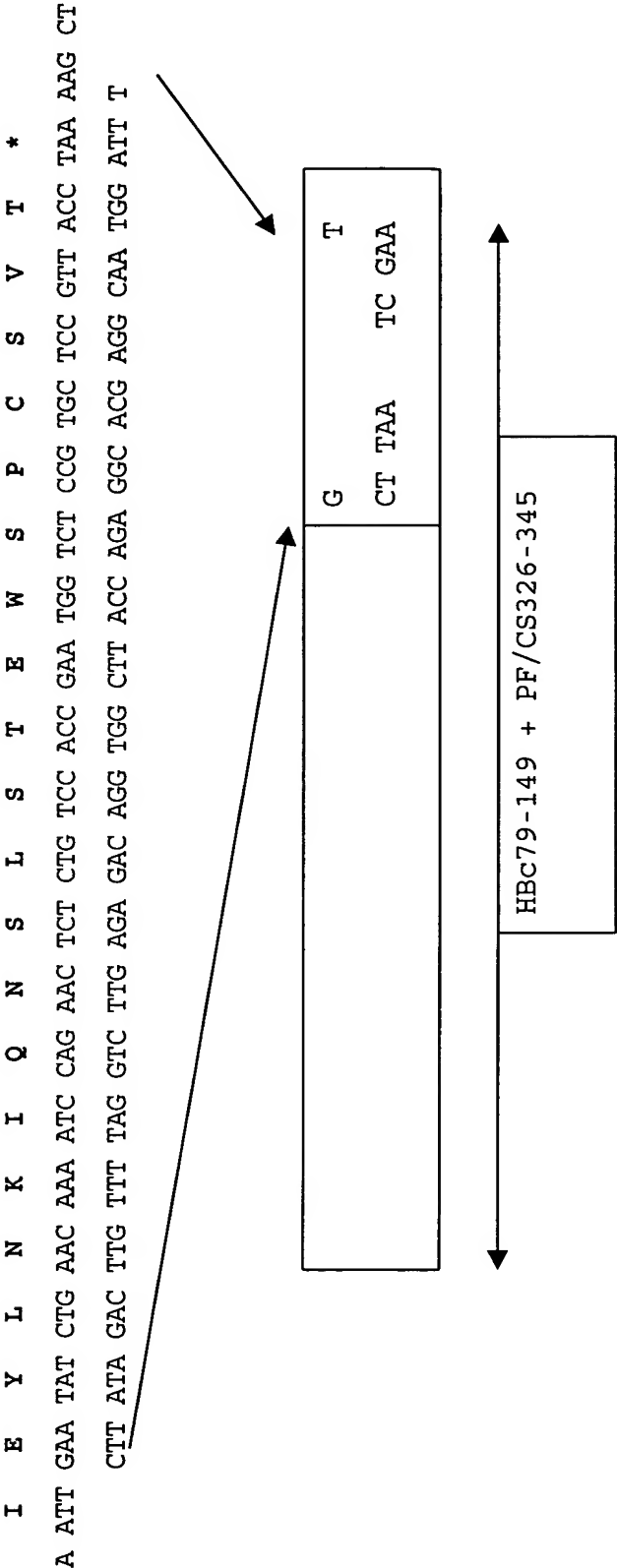


FIG. 2C

Cloning Step 3

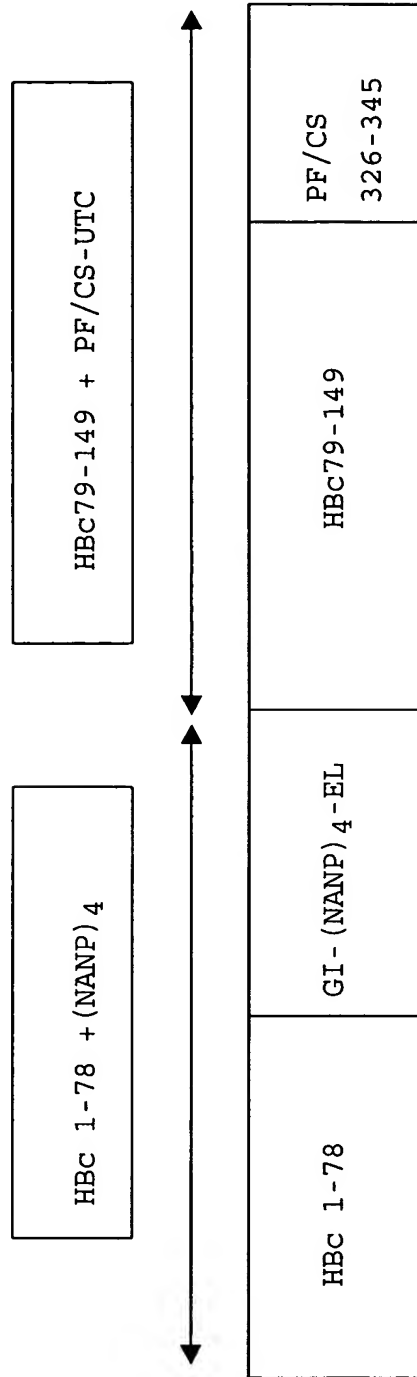


FIG. 3

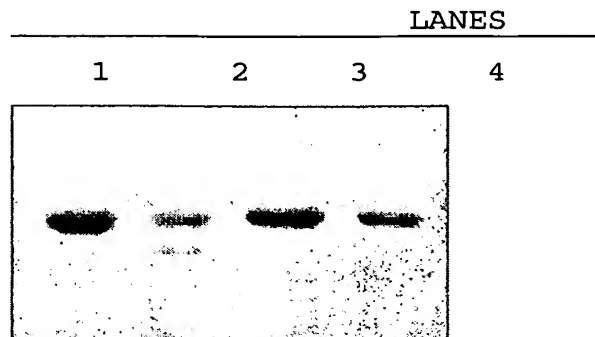


FIG. 4

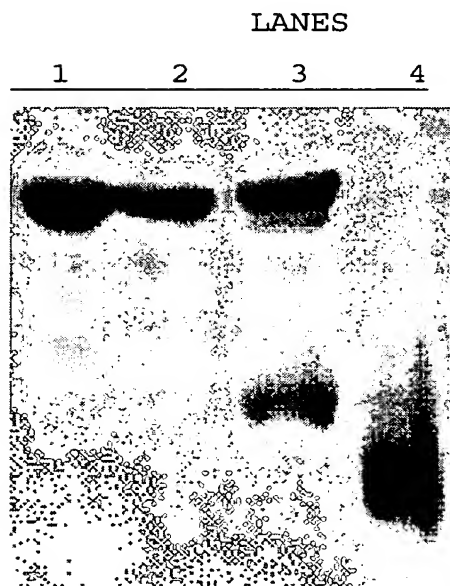


FIG. 5

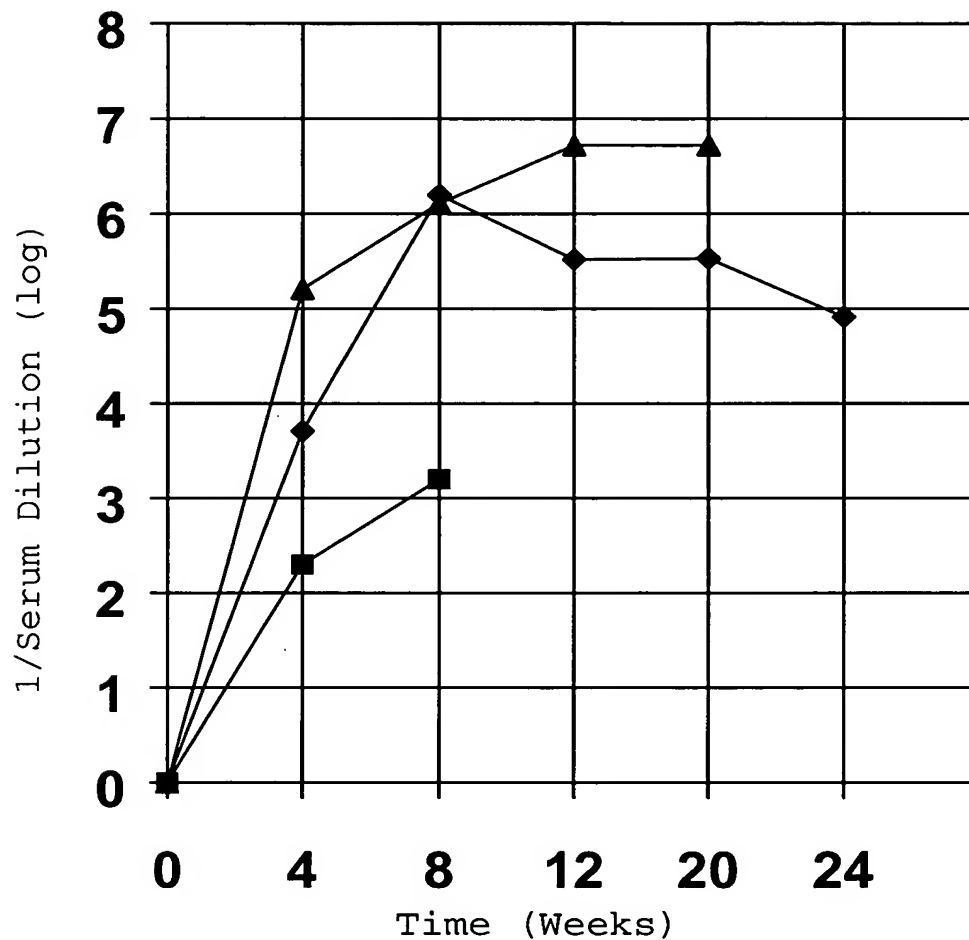
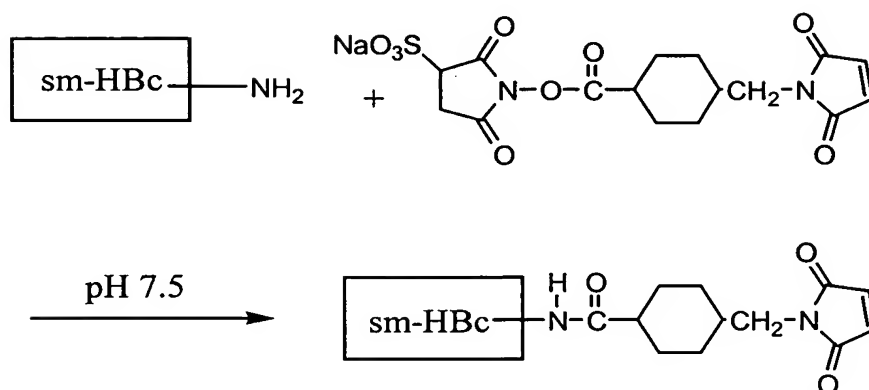


FIG. 6

Scheme 1

I



II

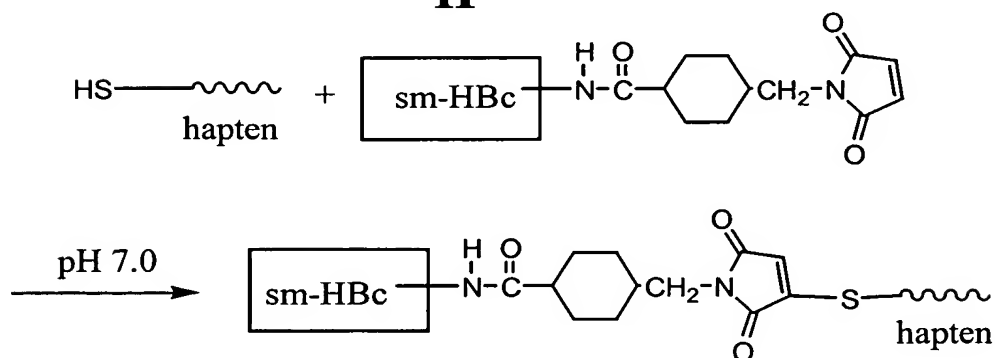


FIG. 7A

Ground Squirrel	mylfhlclvf acvpctvqa sklclgwlwd
1	
HBc AYW	mdidpykefg atvellsflp sdffpsvrdl ldtasalyre
HBc ADW	mdidpykefg atvellsflp sdffpsvrdl ldtasalyre
HBc ADW2	mdidpykefg atvellsflp sdffpsvrdl ldtasalyre
HBc ADYW	mdidpykefg atvellsflp sdffpsvrdl ldtaaalryd
Woodchuck	mdidpykefg ssyqlnflp ldffpdlnal vdtatalyee
Ground Squirrel	mdidpykefg ssyqlnflp ldffpdlnal vdtaaalyee
41	
HBc AYW	alespehcsp hhtalrqail cwgelmtlat wvgvnledpa
HBc ADW	alespehcsp hhtalrqail cwgelmtlat wvgnnlqdp
HBc ADW2	alespehcsp hhtalrqail cwgelmtlat wvgnnledpa
HBc ADYW	alespehcsp hhtalrqail cwgdmltlat wvgtnledpa
Woodchuck	eltgrehcsp hhtairqalv cwdeklia wmsnitseq
Ground Squirrel	eltgrehcsp hhtairqalv cweeltrlit wmsntteev

FIG. 8

<u>V12.Pf1</u>			<u>V12.Pf1 (C17A) C150</u>		
<u>DAYS</u>					
0	7	14	0	7	14

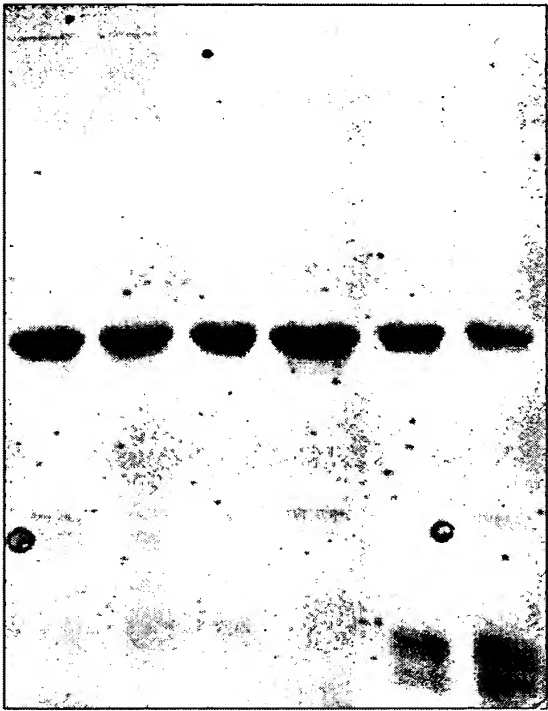


FIG. 9

1 2 3 4 5

